

Claims

1. A combine comprising a separating assembly, a cleaning assembly and a straw chopper, the separating assembly having a first crop residue stream that can be fed to the straw chopper, the straw chopper has a horizontal and transverse rotational axis and a center plane perpendicular to the rotational axis defining two sides, the cleaning assembly having a second crop residue stream that can be fed to the straw chopper, and a conveyor device mechanically conveys the second crop residue stream from the cleaning assembly to the straw chopper, the conveyor divides the second crop residue stream into two partial streams that can be fed to the straw chopper at the two sides of the center plane of the straw chopper, characterized in that the conveyor device is designed to feed the second crop residue stream to the straw chopper in a direction extending perpendicular to the rotational axis of the straw chopper.
2. The combine as defined by claim 1 wherein the conveyor device loads the straw chopper with the second crop stream in a tangential direction.
3. The combine as defined by claim 1 wherein the conveyor device comprises a conveyor drum having guidance skids, the conveyor drum having a center section, the guidance skids pointing transversely outwards in the center section.
4. The combine as defined by claim 3 wherein the conveyor drum has V shaped guidance skids in the center section.
5. The combine as defined by claim 3 wherein the conveyor device is arranged at the downstream end of an oscillating pan, which transports the second crop stream from the cleaning assembly to the conveyor device.
6. The combine as defined by claim 3 wherein the first crop stream can be fed to the straw chopper in a chopping mode and can be deflected around the straw chopper in a straw swath deposition mode, in the straw swath deposition mode the straw chopper forms a swath, and the second crop stream can be fed to the straw chopper in the chopping mode and the straw swath deposition mode.
7. The combine as defined by claim 6 wherein the conveyor device is designed to load the straw chopper with the second crop stream, such that it is deposited in the straw swath deposition mode outside the swath.

8. The combine as defined by claim 7 wherein straw guide plates are located downstream from the straw chopper.

9. The combine as defined by claim 8 wherein the combine comprises a harvesting assembly having a working width, in the straw swath deposition mode the second crop residue stream is deposited outside the swath of the first crop residue stream, while in the chopping mode the first crop residue stream is distributed approximately uniformly over the working width of the harvesting assembly without adjusting the straw guide plates relative to the straw swath deposition mode.